

## CLAIMS

What is claimed is:

1. A temperature detector comprising:  
a surface temperature sensor mounted to sense temperature of a target  
5 surface;  
an ambient temperature sensor sensing ambient temperature;  
an electronic circuit coupled to the surface temperature sensor and  
ambient temperature sensor and responsive to a signal from the surface  
temperature sensor and the ambient temperature sensed by the ambient  
10 temperature sensor to provide an indication of an internal temperature of the  
target adjusted for the ambient temperature to which the target is exposed; and  
an output providing an indication of the internal temperature.
2. A temperature detector as claimed in Claim 1 wherein the target surface is  
biological tissue.